

**Abstract**

A vacuum device comprises a plurality of cryopumps (10) connected with one or a plurality of vacuum chambers. The cryopumps (10) are connected via media supply conduits (12) and media return conduits (14) with a compressor means (16). An adjusting means (18) is connected before at least one of the cryopumps for controlling the amount of media fed to the cryopump. Further, the cryopumps (10) comprise a temperature measuring device. The temperature measuring device and the adjusting device (18) are connected with a controller (28). To allow the desired amount of media to be fed to the cryopumps (10), the adjusting means (18) comprise, according to the invention, throttle means (24) in a media supply conduit (12) and a controllable valve in a throttle bypass conduit (22).

(Fig. 1)